

Draft

Attachment 19

Regional Economic Impact Analysis Results

Modeling Appendix

Shasta Lake Water Resources Investigation, California

Prepared by:

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Bureau of Reclamation
Mid-Pacific Region**



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Abbreviations and Acronyms

CP	Comprehensive Plan
IMPLAN	IMpact analysis for PLANning
P&G	Federal Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies
RED	Regional Economic Development
SLWRI	Shasta Lake Water Resources Investigation

Results of the Regional Impact Analysis

This attachment addresses the interim findings of a regional economic analysis of the direct project construction effects of Shasta Lake Water Resources Investigation (SLWRI) comprehensive plans. This attachment also satisfies the requirements of the Regional Economic Development (RED) account of the Federal Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies (P&G) (U.S. Water Resources Council, 1983). The preliminary findings incorporate changes in the local economy due to project construction activities for the five comprehensive plans. The changes in hydroelectric power generation would affect statewide residents as a whole in terms of electricity rates; however, preliminary results indicate the changes would be virtually imperceptible at the statewide level, and were not included in the analysis. A regional analysis has not been conducted incorporating other potential direct effects, including changes in agricultural production, recreation, municipal and industrial water quality, flood control, or other areas potentially affected by the comprehensive plans.

The construction activity associated with each of the comprehensive plans (CP) will take place over 4.5 to 5 years, depending upon the comprehensive plan. Because economic impacts are typically measured and reported in annual terms, the costs were converted to average annual expenditures. Therefore, the results should be interpreted as “dollars per year” or “jobs per year” for the duration of the construction period, and proper care must be taken when making direct comparisons among comprehensive plans.

The following sections provide results of the regional impact analysis conducted for the SLWRI, with a focus on the three categories of impacts: total industry output, personal income, and employment.

Total Industry Output

Table 19-1 presents the results of the regional economic model on total industry output by comprehensive plan. Under the comprehensive plans, the direct benefit to construction industries would range from \$196.8 million (for CP2) to \$234.9 million (for CP5) per year. These direct impacts would yield indirect impacts, largely to input supply and construction support industries, ranging from \$53.0 million (CP2) to \$63.3 million (CP5). Induced impacts, or the change in overall output throughout the region as a result of greater household spending, would yield an additional \$67.8 million (CP2) to \$81.0 million (CP5). The combined total of direct, indirect, and induced impacts will result in a total annual economic impact of \$317.6 million for CP2 and up to \$379.1 million for CP5.

Table 19-1. Annual Regional Economic Impacts of Construction Activity on Total Industry Output

Effects	CP1 (\$ millions)	CP2 (\$ millions)	CP3 (\$ millions)	CP4 (\$ millions)	CP5 (\$ millions)
Direct	198.1	196.8	229.4	230.9	234.9
Indirect	53.4	53.0	61.8	62.2	63.3
Induced	68.3	67.8	79.1	79.6	81.0
Total per Year ¹	319.7	317.6	370.2	372.7	379.1
Duration (years)	4.5	5.0	5.0	5.0	5.0
Aggregate Total¹	1,438.8	1,588.2	1,851.2	1,863.3	1,895.6

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

The duration of the construction period is important in recognizing the full aggregate impact of the project. CP3, CP4, and CP5 are all nearly the same in annual impact, but each takes 5 years to complete, so the aggregate impact for each is nearly \$1.9 billion during the entire construction period. CP2, at \$317.6 million, has a smaller annual impact than CP3, CP4, and CP5, but its duration is also 5 years, so the aggregate impact is nearly \$1.6 billion. CP1 has a higher annual impact than CP2, but construction lasts only 4.5 years, so it has the lowest aggregate impact at \$1.4 billion.

Personal Income

The second measure of regional impacts is personal income, the sum of employee compensation and proprietor income, and a measure of benefit for the RED account. Results for this category are shown in Table 19-2.

Table 19-2. Annual Regional Economic Impacts of Construction Activity on Personal Income

Effects	CP1 (\$ millions)	CP2 (\$ millions)	CP3 (\$ millions)	CP4 (\$ millions)	CP5 (\$ millions)
Direct	80.8	80.3	93.6	94.2	95.9
Indirect	21.6	21.5	25.0	25.2	25.6
Induced	23.8	23.6	27.5	27.7	28.2
Total per Year ¹	126.2	125.4	146.2	147.1	149.7
Duration (years)	4.5	5	5	5	5
Aggregate Total¹	568.0	627.0	730.9	735.7	748.4

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

Construction-related expenditures would lead to direct impacts on personal income in the region ranging from \$80.3 million annually under CP2, to \$95.9 million under CP5. This change in personal income would lead to indirect impacts of \$21.5 million (CP2) to \$25.6 million (CP5). Induced impacts on personal income would amount to an additional \$23.6 million (CP2) to \$28.2 million (CP5) annually. The total impact on personal income in the region ranges from \$125.4 million for CP2 to \$149.7 million for CP5 annually.

Accounting for the duration of construction, a similar ranking of comprehensive plans occurs for personal income impacts as for total industry output. CP5 is highest at \$748.4 million, followed closely by CP4 (\$735.7 million) and CP3 (\$730.9 million) across 5 years. CP2 is next at \$627.0 million (over 5 years), and CP1 is lowest in aggregate impact at \$568.0 million over 4.5 years.

Employment

Employment impacts are measured in total jobs, whether full time or part time, in the businesses producing the output. Direct impacts are those related to construction, and establishments that sell construction goods and perform construction services. Employment is included in the RED account. Table 19-3 summarizes regional employment impacts from the project based on construction activity.

Table 19-3. Annual Regional Economic Impacts of Construction Activity on Employment (Jobs)

Effects	CP1	CP2	CP3	CP4	CP5
Direct	300	300	350	350	360
Indirect	390	390	450	460	470
Induced	600	600	700	700	710
Total per Year ¹	1,300	1,290	1,500	1,510	1,540
Duration (years)	4.5	5	5	5	5

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

Approximately 350 additional construction-sector jobs in the region would be a direct result of project construction for CP3 and CP4, and 360 additional construction-sector jobs for CP5. This would take place over a 5-year period. Approximately 300 jobs annually over 5 years would result from CP2. Finally, approximately 300 jobs would be added from CP1, but for only 4.5 years. An additional 390 jobs (CP1 and CP2) to 470 jobs (CP5) in the region would be generated in construction support and input industries annually during the construction period. As a result of increased household spending, an additional 600 jobs (CP1 and CP2) to 710 jobs (CP5) would result. In total, approximately

1,290 jobs (CP2) to 1,540 jobs (CP5) in the region would be generated annually during the construction period.

Detailed Results from the Regional Impact Model

Tables 19-4 through 19-18 provide detailed output from the IMpact analysis for PLANning (IMPLAN) regional model for the four-county area. The tables provide details on the effects within aggregate sectors of the local economy. The details are presented in unadjusted form (i.e., to single dollars) as direct output from the model, which implies a higher level of precision in measurement than is realistic.

Table 19-4. CP1 Regional Economic Impacts on Total Industry Output

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.5	0.3	0.7
Mining	0.0	1.2	0.1	1.3
Utilities	0.0	0.7	1.2	1.9
Construction	198.1	0.3	0.7	199.1
Manufacturing	0.0	7.2	1.1	8.3
Wholesale Trade	0.0	2.6	1.8	4.5
Retail Trade	0.0	2.5	7.7	10.2
Transportation & Warehousing	0.0	3.6	1.5	5.2
Information	0.0	2.1	1.8	3.9
Finance & Insurance	0.0	2.0	5.4	7.4
Real Estate & Rental	0.0	4.1	13.4	17.5
Professional, Scientific, & Tech Services	0.0	17.4	1.9	19.3
Management of Companies	0.0	0.9	0.5	1.4
Administrative & Waste Services	0.0	2.7	1.7	4.3
Educational Services	0.0	0.0	0.7	0.8
Health & Social Services	0.0	0.0	15.6	15.6
Arts, Entertainment, & Recreation	0.0	0.2	1.0	1.2
Accommodation & Food Services	0.0	0.7	4.6	5.3
Other Services	0.0	3.3	4.0	7.3
Government & Non-NAICS	0.0	1.4	3.2	4.5
Totals¹	198.1	53.4	68.3	319.7

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-5. CP2 Regional Economic Impacts on Total Industry Output

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.5	0.3	0.7
Mining	0.0	1.2	0.1	1.3
Utilities	0.0	0.7	1.2	1.9
Construction	196.8	0.3	0.7	197.8
Manufacturing	0.0	7.1	1.1	8.2
Wholesale Trade	0.0	2.6	1.8	4.4
Retail Trade	0.0	2.5	7.7	10.1
Transportation & Warehousing	0.0	3.6	1.5	5.1
Information	0.0	2.1	1.8	3.9
Finance & Insurance	0.0	2.0	5.4	7.4
Real Estate & Rental	0.0	4.1	13.3	17.4
Professional, Scientific, & Tech Services	0.0	17.3	1.9	19.2
Management of Companies	0.0	0.9	0.5	1.4
Administrative & Waste Services	0.0	2.7	1.7	4.3
Educational Services	0.0	0.0	0.7	0.7
Health & Social Services	0.0	0.0	15.5	15.5
Arts, Entertainment, & Recreation	0.0	0.2	1.0	1.2
Accommodation & Food Services	0.0	0.7	4.5	5.2
Other Services	0.0	3.2	4.0	7.2
Government & Non-NAICS	0.0	1.4	3.1	4.5
Totals¹	196.8	53.0	67.8	317.6

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-6. CP3 Regional Economic Impacts on Total Industry Output

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.5	0.3	0.8
Mining	0.0	1.4	0.1	1.5
Utilities	0.0	0.8	1.4	2.2
Construction	229.4	0.3	0.8	230.6
Manufacturing	0.0	8.3	1.3	9.6
Wholesale Trade	0.0	3.1	2.1	5.2
Retail Trade	0.0	2.9	8.9	11.8
Transportation & Warehousing	0.0	4.2	1.8	6.0
Information	0.0	2.5	2.0	4.5
Finance & Insurance	0.0	2.3	6.3	8.6
Real Estate & Rental	0.0	4.7	15.5	20.2
Professional, Scientific, & Tech Services	0.0	20.2	2.2	22.4
Management of Companies	0.0	1.1	0.6	1.7
Administrative & Waste Services	0.0	3.1	1.9	5.0
Educational Services	0.0	0.0	0.9	0.9
Health & Social Services	0.0	0.0	18.1	18.1
Arts, Entertainment, & Recreation	0.0	0.2	1.2	1.4
Accommodation & Food Services	0.0	0.8	5.3	6.1
Other Services	0.0	3.8	4.7	8.4
Government & Non-NAICS	0.0	1.6	3.7	5.3
Totals¹	229.4	61.8	79.1	370.2

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-7. CP4 Regional Economic Impacts on Total Industry Output

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.5	0.3	0.9
Mining	0.0	1.4	0.1	1.5
Utilities	0.0	0.8	1.4	2.2
Construction	230.9	0.3	0.9	232.1
Manufacturing	0.0	8.3	1.3	9.7
Wholesale Trade	0.0	3.1	2.1	5.2
Retail Trade	0.0	2.9	9.0	11.9
Transportation & Warehousing	0.0	4.2	1.8	6.0
Information	0.0	2.5	2.1	4.5
Finance & Insurance	0.0	2.3	6.3	8.6
Real Estate & Rental	0.0	4.8	15.6	20.4
Professional, Scientific, & Tech Services	0.0	20.3	2.2	22.5
Management of Companies	0.0	1.1	0.6	1.7
Administrative & Waste Services	0.0	3.1	1.9	5.1
Educational Services	0.0	0.0	0.9	0.9
Health & Social Services	0.0	0.0	18.2	18.2
Arts, Entertainment, & Recreation	0.0	0.2	1.2	1.4
Accommodation & Food Services	0.0	0.8	5.3	6.1
Other Services	0.0	3.8	4.7	8.5
Government & Non-NAICS	0.0	1.6	3.7	5.3
Totals¹	230.9	62.2	79.6	372.7

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

2

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Table 19-8. CP5 Regional Economic Impacts on Total Industry Output

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.6	0.3	0.9
Mining	0.0	1.4	0.1	1.5
Utilities	0.0	0.8	1.4	2.3
Construction	234.9	0.4	0.9	236.1
Manufacturing	0.0	8.5	1.4	9.8
Wholesale Trade	0.0	3.1	2.1	5.3
Retail Trade	0.0	2.9	9.1	12.1
Transportation & Warehousing	0.0	4.3	1.8	6.1
Information	0.0	2.5	2.1	4.6
Finance & Insurance	0.0	2.4	6.4	8.8
Real Estate & Rental	0.0	4.8	15.9	20.7
Professional, Scientific, & Tech Services	0.0	20.7	2.2	22.9
Management of Companies	0.0	1.1	0.6	1.7
Administrative & Waste Services	0.0	3.2	2.0	5.2
Educational Services	0.0	0.0	0.9	0.9
Health & Social Services	0.0	0.0	18.5	18.5
Arts, Entertainment, & Recreation	0.0	0.2	1.2	1.4
Accommodation & Food Services	0.0	0.8	5.4	6.2
Other Services	0.0	3.9	4.8	8.6
Government & Non-NAICS	0.0	1.6	3.7	5.4
Totals¹	234.9	63.3	81.0	379.1

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-9. CP1 Regional Economic Impacts on Personal Income

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.1	0.1	0.2
Mining	0.0	0.4	0.0	0.4
Utilities	0.0	0.1	0.2	0.3
Construction	80.8	0.1	0.3	81.3
Manufacturing	0.0	1.5	0.1	1.6
Wholesale Trade	0.0	1.1	0.8	1.9
Retail Trade	0.0	1.4	4.1	5.5
Transportation & Warehousing	0.0	1.4	0.6	2.0
Information	0.0	0.4	0.4	0.8
Finance & Insurance	0.0	0.5	1.4	1.9
Real Estate & Rental	0.0	0.8	0.4	1.2
Professional, Scientific, & Tech Services	0.0	9.5	0.9	10.4
Management of Companies	0.0	0.4	0.2	0.7
Administrative & Waste Services	0.0	1.3	0.8	2.1
Educational Services	0.0	0.0	0.3	0.3
Health & Social Services	0.0	0.0	8.3	8.3
Arts, Entertainment, & Recreation	0.0	0.1	0.4	0.5
Accommodation & Food Services	0.0	0.2	1.6	1.9
Other Services	0.0	1.7	1.9	3.6
Government & Non-NAICS	0.0	0.4	0.9	1.3
Totals¹	80.8	21.6	23.8	126.2

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-10. CP2 Regional Economic Impacts on Personal Income

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.1	0.1	0.2
Mining	0.0	0.4	0.0	0.4
Utilities	0.0	0.1	0.2	0.3
Construction	80.3	0.1	0.3	80.7
Manufacturing	0.0	1.5	0.1	1.6
Wholesale Trade	0.0	1.1	0.8	1.9
Retail Trade	0.0	1.4	4.1	5.5
Transportation & Warehousing	0.0	1.4	0.6	2.0
Information	0.0	0.4	0.4	0.8
Finance & Insurance	0.0	0.5	1.4	1.9
Real Estate & Rental	0.0	0.8	0.4	1.2
Professional, Scientific, & Tech Services	0.0	9.4	0.9	10.3
Management of Companies	0.0	0.4	0.2	0.7
Administrative & Waste Services	0.0	1.3	0.8	2.1
Educational Services	0.0	0.0	0.3	0.3
Health & Social Services	0.0	0.0	8.2	8.2
Arts, Entertainment, & Recreation	0.0	0.1	0.4	0.5
Accommodation & Food Services	0.0	0.2	1.6	1.9
Other Services	0.0	1.7	1.9	3.6
Government & Non-NAICS	0.0	0.4	0.9	1.3
Totals¹	80.3	21.5	23.6	125.4

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-11. CP3 Regional Economic Impacts on Personal Income

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.1	0.1	0.2
Mining	0.0	0.4	0.0	0.5
Utilities	0.0	0.1	0.2	0.3
Construction	93.6	0.1	0.4	94.1
Manufacturing	0.0	1.7	0.2	1.9
Wholesale Trade	0.0	1.3	0.9	2.2
Retail Trade	0.0	1.6	4.8	6.4
Transportation & Warehousing	0.0	1.6	0.7	2.3
Information	0.0	0.5	0.5	1.0
Finance & Insurance	0.0	0.6	1.6	2.2
Real Estate & Rental	0.0	1.0	0.5	1.4
Professional, Scientific, & Tech Services	0.0	11.0	1.0	12.0
Management of Companies	0.0	0.5	0.3	0.8
Administrative & Waste Services	0.0	1.6	0.9	2.5
Educational Services	0.0	0.0	0.4	0.4
Health & Social Services	0.0	0.0	9.6	9.6
Arts, Entertainment, & Recreation	0.0	0.1	0.4	0.5
Accommodation & Food Services	0.0	0.3	1.9	2.2
Other Services	0.0	2.0	2.2	4.2
Government & Non-NAICS	0.0	0.5	1.0	1.5
Totals¹	93.6	25.0	27.5	146.2

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-12. CP4 Regional Economic Impacts on Personal Income

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.1	0.1	0.2
Mining	0.0	0.4	0.0	0.5
Utilities	0.0	0.1	0.2	0.3
Construction	94.2	0.1	0.4	94.7
Manufacturing	0.0	1.7	0.2	1.9
Wholesale Trade	0.0	1.3	0.9	2.2
Retail Trade	0.0	1.6	4.8	6.4
Transportation & Warehousing	0.0	1.6	0.7	2.3
Information	0.0	0.5	0.5	1.0
Finance & Insurance	0.0	0.6	1.6	2.2
Real Estate & Rental	0.0	1.0	0.5	1.4
Professional, Scientific, & Tech Services	0.0	11.1	1.1	12.1
Management of Companies	0.0	0.5	0.3	0.8
Administrative & Waste Services	0.0	1.6	0.9	2.5
Educational Services	0.0	0.0	0.4	0.4
Health & Social Services	0.0	0.0	9.7	9.7
Arts, Entertainment, & Recreation	0.0	0.1	0.4	0.5
Accommodation & Food Services	0.0	0.3	1.9	2.2
Other Services	0.0	2.0	2.2	4.2
Government & Non-NAICS	0.0	0.5	1.0	1.5
Totals¹	94.2	25.2	27.7	147.1

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-13. CP5 Regional Economic Impacts on Personal Income

Industry	Direct (\$ millions)	Indirect (\$ millions)	Induced (\$ millions)	Total (\$ millions)
Agriculture, Forestry, Fishing, & Hunting	0.0	0.1	0.1	0.2
Mining	0.0	0.5	0.0	0.5
Utilities	0.0	0.1	0.2	0.3
Construction	95.9	0.2	0.4	96.4
Manufacturing	0.0	1.8	0.2	1.9
Wholesale Trade	0.0	1.3	0.9	2.2
Retail Trade	0.0	1.6	4.9	6.5
Transportation & Warehousing	0.0	1.7	0.7	2.4
Information	0.0	0.5	0.5	1.0
Finance & Insurance	0.0	0.6	1.7	2.3
Real Estate & Rental	0.0	1.0	0.5	1.5
Professional, Scientific, & Tech Services	0.0	11.3	1.1	12.3
Management of Companies	0.0	0.5	0.3	0.8
Administrative & Waste Services	0.0	1.6	0.9	2.5
Educational Services	0.0	0.0	0.4	0.4
Health & Social Services	0.0	0.0	9.8	9.8
Arts, Entertainment, & Recreation	0.0	0.1	0.5	0.6
Accommodation & Food Services	0.0	0.3	1.9	2.2
Other Services	0.0	2.1	2.2	4.3
Government & Non-NAICS	0.0	0.5	1.1	1.5
Totals¹	95.9	25.6	28.2	149.7

Note:

Dollar values are expressed in April 2012 price levels.

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-14. CP1 Regional Economic Impacts on Employment (Jobs)

Industry	Direct	Indirect	Induced	Total
Agriculture, Forestry, Fishing, & Hunting	0	2	1	4
Mining	0	3	0	4
Utilities	0	1	1	2
Construction	300	3	6	308
Manufacturing	0	24	2	27
Wholesale Trade	0	20	13	33
Retail Trade	0	40	123	164
Transportation & Warehousing	0	24	11	36
Information	0	7	6	13
Finance & Insurance	0	11	30	41
Real Estate & Rental	0	19	26	45
Professional, Scientific, & Tech Services	0	133	19	152
Management of Companies	0	5	3	8
Administrative & Waste Services	0	48	28	76
Educational Services	0	0	15	15
Health & Social Services	0	0	148	148
Arts, Entertainment, & Recreation	0	3	16	19
Accommodation & Food Services	0	12	77	89
Other Services	0	35	62	97
Government & Non-NAICS	0	5	12	18
Totals¹	300	393	602	1295

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-15. CP2 Regional Economic Impacts on Employment (Jobs)

Industry	Direct	Indirect	Induced	Total
Agriculture, Forestry, Fishing, & Hunting	0	2	1	3
Mining	0	3	0	4
Utilities	0	1	1	2
Construction	298	3	6	306
Manufacturing	0	24	2	26
Wholesale Trade	0	20	13	33
Retail Trade	0	40	123	163
Transportation & Warehousing	0	24	11	36
Information	0	6	6	13
Finance & Insurance	0	10	30	40
Real Estate & Rental	0	19	26	44
Professional, Scientific, & Tech Services	0	132	19	151
Management of Companies	0	5	3	8
Administrative & Waste Services	0	48	28	75
Educational Services	0	0	15	15
Health & Social Services	0	0	147	147
Arts, Entertainment, & Recreation	0	3	16	19
Accommodation & Food Services	0	12	77	89
Other Services	0	34	62	96
Government & Non-NAICS	0	5	12	18
Totals¹	298	390	598	1287

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-16. CP3 Regional Economic Impacts on Employment (Jobs)

Industry	Direct	Indirect	Induced	Total
Agriculture, Forestry, Fishing, & Hunting	0	3	1	4
Mining	0	4	0	4
Utilities	0	1	2	3
Construction	348	3	6	357
Manufacturing	0	28	3	31
Wholesale Trade	0	23	16	38
Retail Trade	0	47	143	190
Transportation & Warehousing	0	28	13	41
Information	0	8	7	15
Finance & Insurance	0	12	35	47
Real Estate & Rental	0	22	30	52
Professional, Scientific, & Tech Services	0	154	22	176
Management of Companies	0	6	3	9
Administrative & Waste Services	0	56	32	88
Educational Services	0	0	18	18
Health & Social Services	0	0	171	171
Arts, Entertainment, & Recreation	0	3	19	22
Accommodation & Food Services	0	14	90	103
Other Services	0	40	72	112
Government & Non-NAICS	0	6	14	20
Totals¹	348	455	697	1500

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-17. CP4 Regional Economic Impacts on Employment (Jobs)

Industry	Direct	Indirect	Induced	Total
Agriculture, Forestry, Fishing, & Hunting	0	3	1	4
Mining	0	4	0	4
Utilities	0	1	2	3
Construction	350	3	6	359
Manufacturing	0	28	3	31
Wholesale Trade	0	23	16	39
Retail Trade	0	47	144	191
Transportation & Warehousing	0	28	13	42
Information	0	8	8	15
Finance & Insurance	0	12	35	47
Real Estate & Rental	0	22	30	52
Professional, Scientific, & Tech Services	0	155	23	177
Management of Companies	0	6	3	9
Administrative & Waste Services	0	56	32	88
Educational Services	0	0	18	18
Health & Social Services	0	0	172	172
Arts, Entertainment, & Recreation	0	3	19	22
Accommodation & Food Services	0	14	90	104
Other Services	0	40	73	113
Government & Non-NAICS	0	6	14	21
Totals¹	350	458	702	1510

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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Table 19-18. CP5 Regional Economic Impacts on Employment (Jobs)

Industry	Direct	Indirect	Induced	Total
Agriculture, Forestry, Fishing, & Hunting	0	3	2	4
Mining	0	4	0	4
Utilities	0	1	2	3
Construction	356	3	7	365
Manufacturing	0	29	3	31
Wholesale Trade	0	23	16	39
Retail Trade	0	48	146	194
Transportation & Warehousing	0	29	14	42
Information	0	8	8	15
Finance & Insurance	0	12	36	48
Real Estate & Rental	0	22	31	53
Professional, Scientific, & Tech Services	0	157	23	180
Management of Companies	0	6	3	9
Administrative & Waste Services	0	57	33	90
Educational Services	0	0	18	18
Health & Social Services	0	0	175	175
Arts, Entertainment, & Recreation	0	3	19	23
Accommodation & Food Services	0	14	92	106
Other Services	0	41	74	115
Government & Non-NAICS	0	6	15	21
Totals¹	356	466	714	1536

Note:

¹ Totals may not sum because of rounding.

Key:

CP = comprehensive plan

NAICS = North American Industrial Classification System

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